



General Purpose 12v Micro Mini ORION 1665 Series

Specifications:

Description: The General Purpose 12v Micro Mini ORION series offers high efficiency, low voltage luminaires designed to produce a 120° light beams in cold, frozen and dry environments. This series has endcaps with a 0.63" width and 0.50" height.

Features:

Lighting: Solid state lighting (SSL) LEDs; surface mounted diode (SMD) populated onto our two layer 2oz copper printed circuit board (PCB).

Tube and Endcaps: Polycarbonate LEXAN 244R

LEDs: 65mA each

LED Driver Input: 100VAC to 277VAC. Use only UL Listed Class 2 driver

LED Driver Output: 12VDC

Light Beam: 120° viewing angle

Lens : Heat deflection of 300°F

Life: L70 > 50,000 hrs

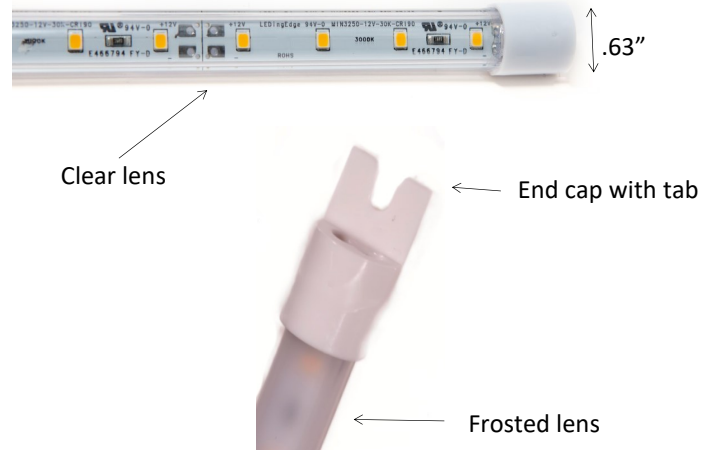
Operating Temperature Range: -20° C to +85°C

Warranty: 5 year limited warranty from manufacturing defects

Safety Certifications: UL/cUL Listed & NSF approved

Certifications: Assembled under Quality Management System is ISO 9001:2015 certified

Ingress Protection (IP): Design has been UL Ingress Protection tested and passed the IP68 standard



Options:

Color: Standard CCTs choices are 3000K, 3500K, 4000K, and 5000K with a CRI >90

Lens: Clear or frosted

Endcap: With or without tab

Lengths (rounded to the nearest inch):

Length	# of LEDs	Watts	Length	# of LEDs	Watts
7"	4	.813	56"	40	8.20
12"	8	1.64	62"	44	9.02
18"	12	2.46	67"	48	9.84
23"	16	3.28	73"	52	10.66
29"	20	4.10	78"	56	11.48
34"	24	4.92	84"	60	12.30
40"	28	5.74	89"	64	13.12
45"	32	6.56	95"	68	13.95
51"	36	7.38			

"Off the Shelf" lengths available at 12", 23", 34" and 45"

UL Integrating Sphere Test Report Data:

CCT Nom. (K)	Length (in)	Width (in)	Lens	Volts (v)	CRI	CCT Actual (K)	Lu-mens (lm)	Power (W)	Efficacy (lm/W)
30,000	45	.81	Clear	24	92	3074	808.7	6.3	127.9
35,000	45	.81	Clear	24	92.2	3486	853.7	6.4	132.7
40,000	45	.81	Clear	24	92.1	4030	914.1	6.7	136.2

The data above is from one of the many UL tests we have conducted. Our custom-built lights have 2,176 variations that effect performance data so please contact us if you require more specific data for your unique needs.

Accessories:

Jumpers: Lengths from 3" to 96"; Straight, stripped, right-angle ends; black / white color options



How to create part numbers:

Series	Type	Voltage	Length Options	Color Options (CCT)	Lens Options	Endcap Options
General Purpose, 12v Micro Mini ORION 1665	Tube	12 volt	12" 23" 34" 45" Etc.	3000K 3500K 4000K 5000K	Clear-C Frosted-F	With Tab -T
MIC1665	T	12V	45	35K	F	T

Example part number: MIC1665T-12V-45-35K-F-T